

Claims

1. People mover (2) comprising an endless tread belt (6) formed from several tread elements (4) connected to one another, which is driven by a drive unit about a first and second reversal point (22), and a side skirt (24) moved along with the tread belt (6), the side skirt (24) on the tread elements (4) comprising flange elements (28) joined to the tread belt and bridge elements (30) connected movably relative to the flange elements (28), characterized by a sensor (38) which is arranged adjacent to concurrently moved side skirt (24), the sensor (38) having a limited detection range perpendicular to a circulating direction of the side skirt (24), and with a plurality of marking elements (34) arranged in a line on the side skirt (24) along the circulating direction and having a limited width perpendicular to the circulating direction.

2. People mover (2) according to Claim 1, characterized in that, on each of the flange elements (28) and bridge elements (30) of concurrently moved side skirt (24), a rib (32) is provided that serves the detection of flange element (28) or bridge element (30) by sensor (38) and that is arranged on a side of concurrently moved side skirt (24) that is opposite from the visible side.

3. People mover (2) according to Claim 2, characterized in that the ribs (32) are arranged in series essentially along a straight line in a linear area of people mover (2), the sensor (38) being constructed such that it detects interruption in the rib series (36).

4. People mover (2) according to one of Claims 1-3, characterized in that a noncontact sensor (38) is provided.

5. People mover (2) according to Claim 4, characterized in that a magnetic sensor (38) is provided.

6. People mover (2) according to one of Claims 2-5, characterized in that the flange elements (28) and bridge elements (30) are manufactured from aluminum material and the ribs (32) are constructed in one piece therewith, and in that at least one clip (34) of spring steel is provided on the rib (32) of each flange element (28) and each bridge element (30).

7. People mover (2) according to Claim 6, characterized in that the clips (34) are essentially half as long as the corresponding ribs (32).

8. People mover (2) according to one of Claims 1-7, characterized in that an electronic analysis unit is provided to analyze dynamic signals.

9. People mover (2) according to one of Claims 1-8, characterized in that two sensors (38) are connected in series.

10. People mover (2) according to one of Claims 1-9, characterized in that at least two clips (34) of spring steel are provided for each flange element (28) or bridge element (30).